

ABSTRACT OF THE INVENTION

SENSOR MODULE WITH INTEGRATED SIGNAL PROCESSING

A sensor module comprises a radiation-sensitive sensor element (12), a sensor signal processing circuit (13, 41a, 44a) receiving the output signal of the sensor element (12) and obtaining a radiation-dependent first electric signal therefrom, a temperature-sensitive reference means (14, 15, 41b, 43, 44b) providing a temperature-dependent second electric signal and a signal combining means (16) for combining the two electric signals. The sensor signal processing circuit (13, 41a, 44a), the reference means (14, 15, 41b, 43, 44b) and the combining means (16) are formed on a single chip (20, 21), and the chip (20, 21) and the sensor element (12) are accommodated in a common housing (22, 62, 64).

(Fig. 4)